



# SAFETY DATA SHEET

Issue Date 20-Dec-2015

Revision Date 28-Dec-2016

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** BAKOR HI-TAC ADHESIVE

### Other means of identification

**Product Code** BK103  
**UN/ID no** UN1133  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Adhesives and/or sealants  
**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

HENRY COMPANY  
999 N. Sepulveda Blvd., Suite 800  
El Segundo, CA 90245-2716  
Web Site: [www.henry.com](http://www.henry.com) [www.ca.henry.com](http://www.ca.henry.com)

### Emergency telephone number

**Company Phone Number** 800-486-1278  
**Emergency Telephone** CHEMTREC: 800-424-9300  
CHEMTREC: 703-527-3887  
CANUTEC: 613-966-6666

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |             |
|--|-------------|
| Skin corrosion/irritation                          | Category 2  |
| Serious eye damage/eye irritation                  | Category 2A |
| Reproductive toxicity                              | Category 2  |
| Specific target organ toxicity (single exposure)   | Category 3  |
| Specific target organ toxicity (repeated exposure) | Category 2  |
| Flammable liquids                                  | Category 2  |

### Label elements

#### **Emergency Overview**

#### **Danger**

#### **Hazard statements**

Causes skin irritation  
Causes serious eye irritation  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
Highly flammable liquid and vapor

**Appearance** viscous**Physical state** liquid**Odor** Petroleum distillates**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating / lighting/ mixing / equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 If skin irritation occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed  
 Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful in contact with skin. Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

**Unknown acute toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable

**Mixture**

| Chemical Name      | CAS No    | Weight-% |
|--------------------|-----------|----------|
| Stoddard solvent * | 8052-41-3 | 15 - 40  |

|   |             |         |
|---|-------------|---------|
| Petroleum distillates, hydrotreated light * | 64742-47-8  | 10 - 30 |
| Rubber Compounds *                          | Proprietary | 10 - 30 |
| Toluene *                                   | 108-88-3    | 1 - 5   |
| 1,2,4-Trimethylbenzene *                    | 95-63-3     | 1 - 5   |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.  |
| <b>Eye contact</b>                        | Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.      |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse.                                  |
| <b>Inhalation</b>                         | Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician. |
| <b>Ingestion</b>                          | Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.  |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Use personal protective equipment as required.   |

##### Most important symptoms and effects, both acute and delayed

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | May cause redness and tearing of the eyes. Coughing and/ or wheezing. May cause skin irritation. Drowsiness. Dizziness. |
|-----------------|---|

##### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO<sub>2</sub>, sand, earth, water spray or regular foam.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Flash back possible over considerable distance. Flammable/toxic gases may accumulate in confined areas (basements, tanks, hopper/tank cars etc.). Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Thermal decomposition can lead to release of irritating and toxic gases and vapors.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

**For emergency responders** Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction. Pay attention to flashback. Remove all sources of ignition. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

| Chemical Name                     | ACGIH TLV                            | OSHA PEL                                    | NIOSH IDLH  |
|-----------------------------------|--------------------------------------|---|---|
| Stoddard solvent<br>8052-41-3     | TWA: 100 ppm                         | TWA: 500 ppm<br>TWA: 2900 mg/m <sup>3</sup> | IDLH: 20000 mg/m <sup>3</sup><br>Ceiling: 1800 mg/m <sup>3</sup> 15 min<br>TWA: 350 mg/m <sup>3</sup>       |
| Toluene<br>108-88-3               | TWA: 20 ppm                          | TWA: 200 ppm<br>Ceiling: 300 ppm            | IDLH: 500 ppm<br>TWA: 100 ppm<br>TWA: 375 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 560 mg/m <sup>3</sup> |
| 1,2,4-Trimethylbenzene<br>95-63-3 | TWA: 25 ppm<br>123 mg/m <sup>3</sup> | TWA: 25 ppm<br>120 mg/m <sup>3</sup>        | TWA: 25 ppm   |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations

Ventilation systems.

#### **Individual protection measures, such as personal protective equipment**

|                                 |   |
|---------------------------------|---|
| <b>Eye/face protection</b>      | Wear safety glasses with side shields (or goggles).   |
| <b>Skin and body protection</b> | Wear protective gloves and protective clothing.   |
| <b>Respiratory protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

#### **Information on basic physical and chemical properties**

|                                       |                          |                                |                          |
|---------------------------------------|--------------------------|--------------------------------|--------------------------|
| <b>Physical state</b>                 | liquid                   | <b>Odor</b>                    | Petroleum distillates    |
| <b>Appearance</b>                     | viscous                  | <b>Odor threshold</b>          | No information available |
| <b>Color</b>                          | yellow                   |                                |                          |
| <b><u>Property</u></b>                | <b><u>Values</u></b>     | <b><u>Remarks • Method</u></b> |                          |
| <b>pH</b>                             | No information available |                                |                          |
| <b>Melting point / freezing point</b> | No information available |                                |                          |
| <b>Boiling point / boiling range</b>  | 97 °C / 207 °F           |                                |                          |
| <b>Flash point</b>                    | -4 °C / 25 °F            | Tag Closed Cup                 |                          |
| <b>Evaporation rate</b>               | No information available |                                |                          |
| <b>Flammability (solid, gas)</b>      | No information available |                                |                          |
| <b>Flammability Limit in Air</b>      |                          |                                |                          |
| <b>Upper flammability limit:</b>      | 7.4%                     |                                |                          |
| <b>Lower flammability limit:</b>      | 1.4%                     |                                |                          |
| <b>Vapor pressure</b>                 | No information available |                                |                          |
| <b>Vapor density</b>                  | No information available |                                |                          |
| <b>Relative density</b>               | 0.8-0.85                 |                                |                          |
| <b>Water solubility</b>               | Insoluble in water       |                                |                          |
| <b>Solubility in other solvents</b>   | No information available |                                |                          |
| <b>Partition coefficient</b>          | No information available |                                |                          |
| <b>Autoignition temperature</b>       | 223 °C / 433 °F          |                                |                          |
| <b>Decomposition temperature</b>      | No information available |                                |                          |
| <b>Kinematic viscosity</b>            | >100 mm <sup>2</sup> /s  | @ 40 °C                        |                          |
| <b>Dynamic viscosity</b>              | No information available |                                |                          |
| <b>Explosive properties</b>           | Not an explosive         |                                |                          |
| <b>Oxidizing properties</b>           | Not applicable           |                                |                          |

#### **Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

### **10. STABILITY AND REACTIVITY**

#### **Reactivity**

No data available

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks. Incompatible materials.

**Incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation of respiratory tract. May cause drowsiness or dizziness. |
| <b>Eye contact</b>  | Irritating to eyes.   |
| <b>Skin contact</b> | Irritating to skin.   |
| <b>Ingestion</b>    | Based on available data, the classification criteria are not met.             |

| Chemical Name   | Oral LD50            | Dermal LD50              | Inhalation LC50         |
|---|----------------------|--------------------------|-------------------------|
| Petroleum distillates, hydrotreated light<br>64742-47-8 | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit )  | > 5.2 mg/L ( Rat ) 4 h  |
| Toluene<br>108-88-3                                     | = 2600 mg/kg ( Rat ) | = 12000 mg/kg ( Rabbit ) | = 12.5 mg/L ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** May cause redness and tearing of the eyes. May cause skin irritation. Vapors may cause drowsiness and dizziness. Coughing and/ or wheezing.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** Based on available data, the classification criteria are not met.  
**Germ cell mutagenicity** Based on available data, the classification criteria are not met.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name       | ACGIH | IARC    | NTP | OSHA |
|---------------------|-------|---------|-----|------|
| Toluene<br>108-88-3 | -     | Group 3 | -   | -    |

*IARC (International Agency for Research on Cancer)  
 Not classifiable as a human carcinogen*

**Reproductive toxicity** Contains a known or suspected reproductive toxin.  
**STOT - single exposure** Target Organs. Respiratory system.  
**STOT - repeated exposure** May cause disorder and damage to the. Central nervous system.  
**Chronic toxicity** May cause adverse liver effects.  
**Target Organ Effects** Respiratory system, Eyes, Skin, Central nervous system, kidney, liver.  
**Neurological effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

|                               |                   |
|-------------------------------|-------------------|
| ATEmix (oral)                 | 5,183.00 mg/kg    |
| ATEmix (dermal)               | 3,600.00 mg/kg    |
| ATEmix (inhalation-gas)       | 3,148,048.14 mg/l |
| ATEmix (inhalation-dust/mist) | 15.00 mg/kg mg/l  |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life with long lasting effects

10 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

Not readily biodegradable.

**Bioaccumulation**

| Chemical Name       | Partition coefficient |
|---------------------|-----------------------|
| Toluene<br>108-88-3 | 2.65                  |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.

**US EPA Waste Number**

D001

| Chemical Name       | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes  | RCRA - K Series Wastes |
|---------------------|--------------------------------------|------------------------|---|------------------------|
| Toluene<br>108-88-3 | -                                    | -                      | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. | -                      |

| Chemical Name       | California Hazardous Waste Status |
|---------------------|-----------------------------------|
| Toluene<br>108-88-3 | Toxic<br>Ignitable                |

**14. TRANSPORT INFORMATION****DOT**

|                      |                                  |
|----------------------|----------------------------------|
| UN/ID no             | UN1133                           |
| Proper shipping name | Adhesives                        |
| Hazard Class         | 3                                |
| Packing Group        | II                               |
| Special Provisions   | 149, B52, IB2, T4, TP1, TP8      |
| Description          | UN1133, Adhesives mixture, 3, II |

Emergency Response Guide Number 128

**TDG**

UN/ID no UN1133  
 Proper shipping name Adhesives mixture  
 Hazard Class 3  
 Packing Group II  
 Description UN1133, Adhesives mixture, 3, II

**IATA**

UN/ID no UN1133  
 Proper shipping name Adhesives  
 Hazard Class 3  
 Packing Group II  
 ERG Code 3L  
 Special Provisions A3  
 Description UN1133, Adhesives, 3, II

**IMDG**

UN/ID no UN1133  
 Proper shipping name Adhesives  
 Hazard Class 3  
 Packing Group II  
 EmS-No F-E, S-D  
 Description UN1133, Adhesives, 3, II (-4°C c.c.)

## 15. REGULATORY INFORMATION

All components used in this product are on the TSCA Inventory and the Canadian DSL.

**International Inventories**

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL/NDL       | Complies |
| EINECS/ELINCS | Complies |
| IECSC         | Complies |
| KECL          | Complies |
| PICCS         | Complies |
| AICS          | Complies |

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name      | SARA 313 - Threshold Values % |
|--------------------|-------------------------------|
| Toluene - 108-88-3 | 1.0                           |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire hazard                       | Yes |
| Sudden release of pressure hazard | No  |



**Reactive Hazard**

No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name       | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Toluene<br>108-88-3 | 1000 lb                     | X                      | X                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name       | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)  |
|---------------------|--------------------------|----------------|---|
| Toluene<br>108-88-3 | 1000 lb 1 lb             | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ RQ 1 lb final<br>RQ<br>RQ 0.454 kg final RQ |

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name      | California Proposition 65 |
|--------------------|---------------------------|
| Toluene - 108-88-3 | Developmental             |

**U.S. State Right-to-Know Regulations**

| Chemical Name                             | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Stoddard solvent<br>8052-41-3             | X          | X             | X            |
| Toluene<br>108-88-3                       | X          | X             | X            |
| Xylenes (o-, m-, p- isomers)<br>1330-20-7 | X          | X             | X            |
| Triphenyl phosphate<br>115-86-6           | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                   |                |                    |                                    |
|-------------|-------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 2  | Flammability 3 | Instability 0      | Physical and Chemical Properties - |
| <b>HMIS</b> | Health hazards 2* | Flammability 3 | Physical hazards 0 | Personal protection X              |

Chronic Hazard Star Legend

\* = Chronic Health Hazard

Issue Date 20-Dec-2015

Revision Date 28-Dec-2016

**Revision Note**

No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet